en instruction manual

play & sound®

WALL RADIO

41515
41513
41020
41518

AIR RADIO

41517
41018
41019
41514

EGi

WALL RADIO 41515

play&sound®

Bluetooth® STEREO HIGH QUALITY SOUND

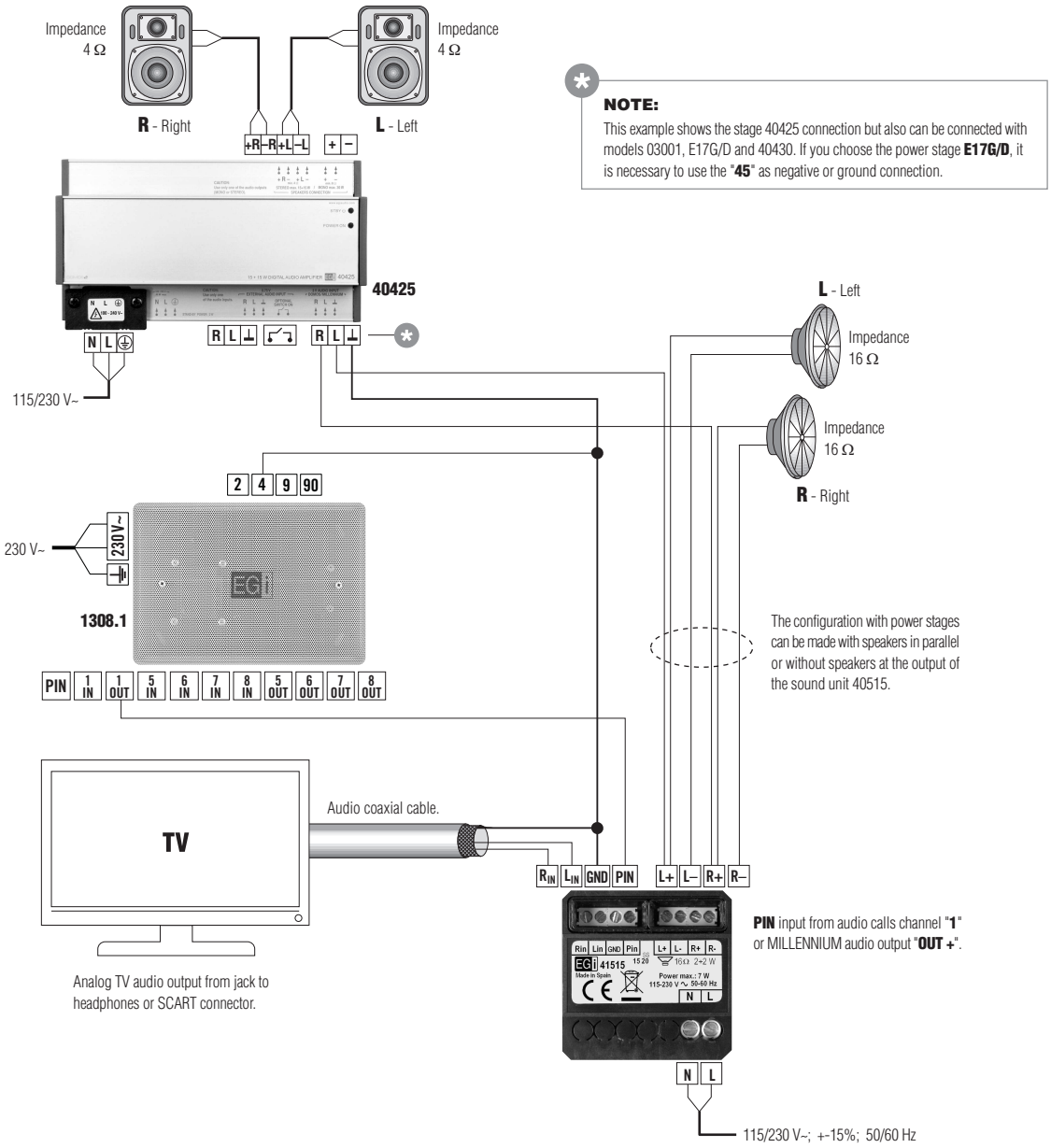
en instruction manual

41515 Bluetooth® control unit with AUX/TV and PIN

Technical specifications

Display	Multicolor led	Sensitivity inputs AUX and TV	500 mVRMS	Max. power	2+2 WRMS audio
Main power input	115/230 V~; 50/60 Hz	Sensitivity input PIN	3 V~ RMS + 7 V⎓	Housing	ø60 mm box
Consumption (max)	7 W	Input impedance	10 KΩ	Dimensions (mm)	45 x 45 x 52
Consumption stand-by	0.2 W	Loudspeaker impedance (min)	16+16 Ω		

Wiring diagram


Impedance 4 Ω
R - Right
L - Left
Impedance 4 Ω
+R –R +L –L
+ –
40425
N L
115/230 V~
R L
R L
*
L - Left
Impedance 16 Ω
Impedance 16 Ω
R - Right
2 4 9 90
230 V~
230 V~
1308.1
PIN 1 IN 1 OUT 5 IN 6 IN 7 IN 8 IN 5 OUT 6 OUT 7 OUT 8 OUT
The configuration with power stages can be made with speakers in parallel or without speakers at the output of the sound unit 40515.
TV
Audio coaxial cable.
RIN LIN GND PIN
L+ L– R+ R–
Rin Lin GND Pin
L+ L- R+ R-
EGi 41515
Power max.: 7 W
115-230 V ~ 50-60 Hz
N L
PIN input from audio calls channel "1" or MILLENNIUM audio output "OUT +".
N L
115/230 V~; +-15%; 50/60 Hz
Analog TV audio output from jack to headphones or SCART connector.

NOTE:
This example shows the stage 40425 connection but also can be connected with models 03001, E17G/D and 40430. If you choose the power stage **E17G/D**, it is necessary to use the "**45**" as negative or ground connection.

PLAY & SOUND series products

References

41513 Wall radio 2+2 W stereo with FM RDS and mains voltage from 115 to 230 V~; 50/60 Hz.
41514 Remote control for the new PLAY & SOUND ref. 41517, 41018 and 41019 products.
41515 Bluetooth® sound unit with AUX/TV and PIN inputs. 2+2 W, 115-230 V~.
41517 Master sound amplifier 6+6 W with bluetooth®, FM/RDS, multiroom, and AUX IN signals on ballast format.
41518 Auxiliary module for 41513 Wall Radio with line-in Input, USB memory player, headphones output and bluetooth®.

Note

If it's necessary to amplify the output power of the 41515 sound unit, we recommend using the following power amplifiers:

03001 (3+3 W at 4 Ω)
E17G/D (20 W mono at 4 Ω or 10+10 W stereo at 2 Ω)
40425 (30 W mono at 8 Ω or 15+15 W stereo at 4 Ω)
40430 (100 W mono at 2 Ω or 50+50 W stereo at 4 Ω or 25+25 W stereo at 4 Ω at the same time that 50 W at 2 Ω for mono subwoofers).

WALL RADIO 41513 41020

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Bluetooth® USB - MP3 R-D-S STEREO HIGH QUALITY SOUND

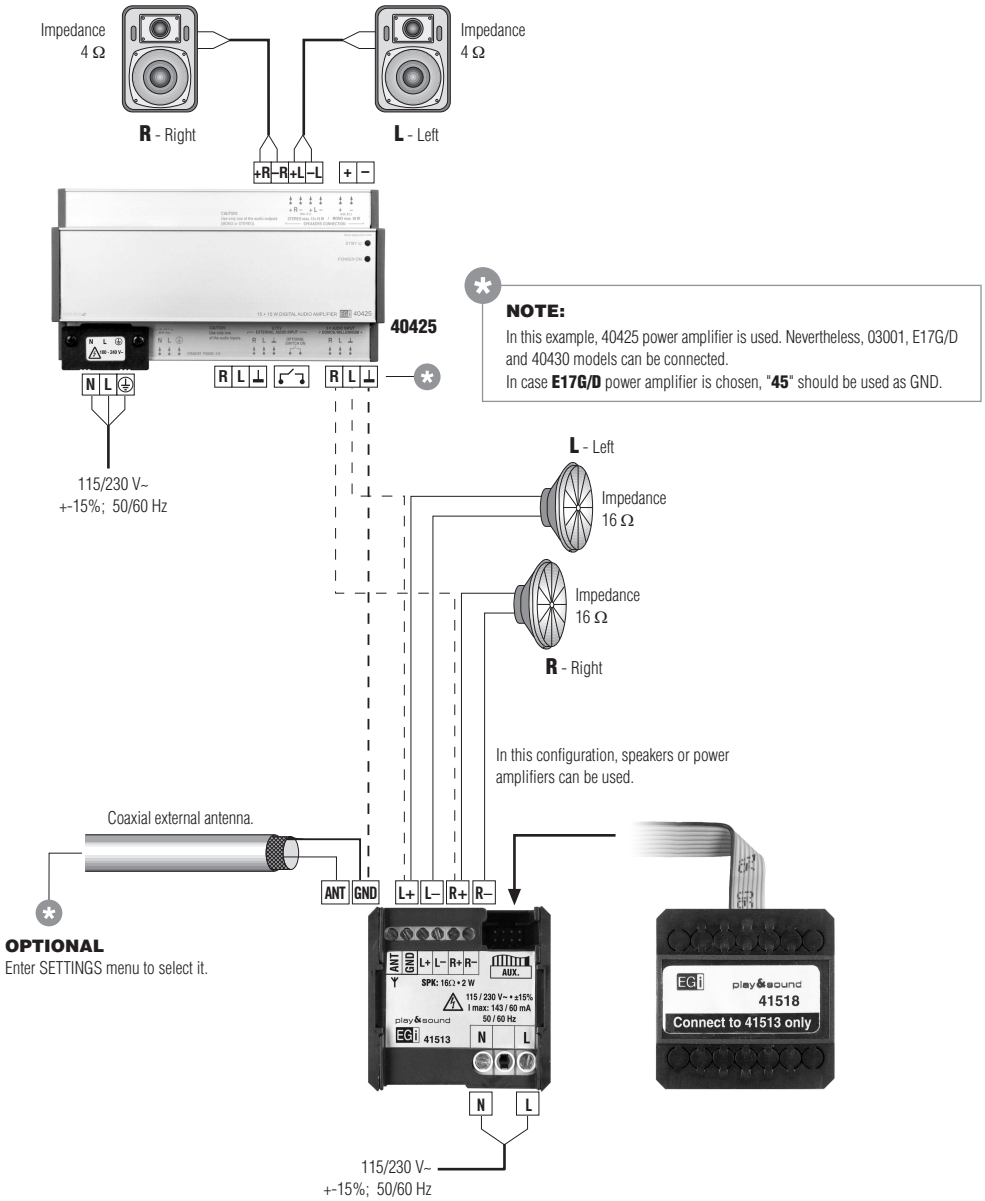
en instruction manual

41513 Wall Radio FM/RDS module (with optional bluetooth®, input & USB)
41020 Wall Radio FM/RDS Kit (with bluetooth®, line input IN,USB & headphones)

Technical specifications

Display	LCD graphic	FM band	87.5 - 108.0 MHz
Supply voltage	115 / 230 V~; 50/60 Hz	Speakers impedance	16 Ω (2+2 W audio power)
Power consumption (max)	143 mA (115 V~) / 60 mA (230 V~)	Housing	ø60 mm box
Stand-by power (max)	0.2 W (0.6 W with 41518 module)	Dimensions (mm)	45 x 45 x 52

Wiring diagram


Impedance 4 Ω
R - Right
L - Left
Impedance 4 Ω
+R –R +L –L
+ –
40425
N L
115/230 V~ +-15%; 50/60 Hz
R L
NOTE:
In this example, 40425 power amplifier is used. Nevertheless, 03001, E17G/D and 40430 models can be connected.
In case E17G/D power amplifier is chosen, "45" should be used as GND.
L - Left
Impedance 16 Ω
Impedance 16 Ω
R - Right
In this configuration, speakers or power amplifiers can be used.
Coaxial external antenna.
ANT GND L+ L– R+ R–
OPTIONAL
Enter SETTINGS menu to select it.
AUX.
SPK: 16Ω • 2 W
115 / 230 V~ • ±15%
I max: 143 / 60 mA
50 / 60 Hz
play&sound 41513
play&sound 41518
Connect to 41513 only
N L
115/230 V~ +-15%; 50/60 Hz

PLAY & SOUND series products

References

41513 Wall radio 2+2 W stereo with FM RDS and mains voltage from 115 to 230 V~; 50/60 Hz.
41514 Remote control for the new PLAY & SOUND ref. 41517, 41018 and 41019 products.
41515 Bluetooth® sound unit with AUX/TV and PIN inputs. 2+2 W, 115-230 V~.
41517 Master sound amplifier 6+6 W with bluetooth®, FM/RDS, multiroom, and AUX IN signals on ballast format.
41518 Auxiliary module for 41513 Wall Radio with line-in Input, USB memory player, headphones output and bluetooth®.

Note

If it's necessary to amplify the output power of the 41513 sound unit, we recommend using the following power amplifiers:

03001 (3+3 W at 4 Ω)
E17G/D (20 W mono at 4 Ω or 10+10 W stereo at 2 Ω)
40425 (30 W mono at 8 Ω or 15+15 W stereo at 4 Ω)
40430 (100 W mono at 2 Ω or 50+50 W stereo at 4 Ω or 25+25 W stereo at 4 Ω at the same time that 50 W at 2 Ω for mono subwoofers).

WALL RADIO 41518

play&sound®

Bluetooth® STEREO HIGH QUALITY SOUND

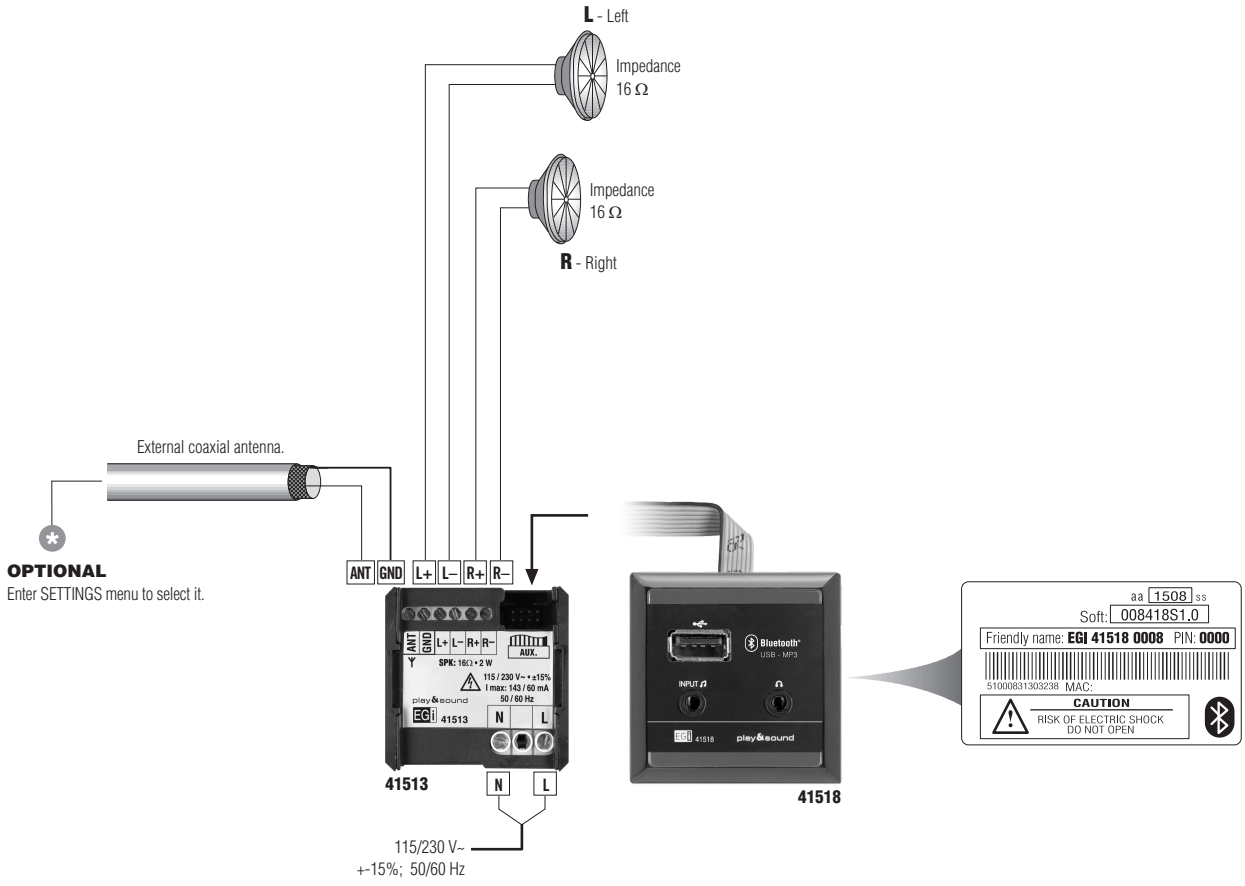
en instruction manual

41518 Auxiliary module for Wall Radio 41513 with line IN, USB, headphone and bluetooth®.

Technical specifications

Main power input	From 41513 module	Audio input impedance	10 KΩ	Headphones output nominal level	300 mV
Consumption (max.)	175 mA	Audio input nominal level	≥100 mV	Housing	ø60 mm. box
File formats	MP3 - WAV	Bluetooth® profile	V. 2.0; Clase II; A2DP & AVRCP (1.3)	Dimensions (mm)	45 x 45 x 52
USB maximum output current	100 mA	Headphones output impedance	16 - 32 Ω min.		

Wiring diagram



PLAY & SOUND series products

References

41513 Wall radio 2+2 W stereo with FM RDS and mains voltage from 115 to 230 V~; 50/60 Hz.
41514 Remote control for the new PLAY & SOUND ref. 41517, 41018 and 41019 products.
41515 Bluetooth® sound unit with AUX/TV and PIN inputs. 2+2 W, 115-230 V~.
41517 Master sound amplifier 6+6 W with bluetooth®, FM/RDS, multiroom, and AUX IN signals on ballast format.
41518 Auxiliary module for 41513 Wall Radio with line-in Input, USB memory player, headphones output and bluetooth®.

Note

If it's necessary to amplify the output power of the 41513 sound unit, we recommend using the following power amplifiers:

03001 (3+3 W at 4 Ω)
E17G/D (20 W mono at 4 Ω or 10+10 W stereo at 2 Ω)
40425 (30 W mono at 8 Ω or 15+15 W stereo at 4 Ω)
40430 (100 W mono at 2 Ω or 50+50 W stereo at 4 Ω or 25+25 W stereo at 4 Ω at the same time that 50 W at 2 Ω for mono subwoofers).

AIR RADIO 41517

play & sound®

Bluetooth® RDS STEREO HIGH QUALITY SOUND multiroom

en instruction manual

41517 Amplified master module with bluetooth® connectivity, FM/RDS, audio input and multiroom

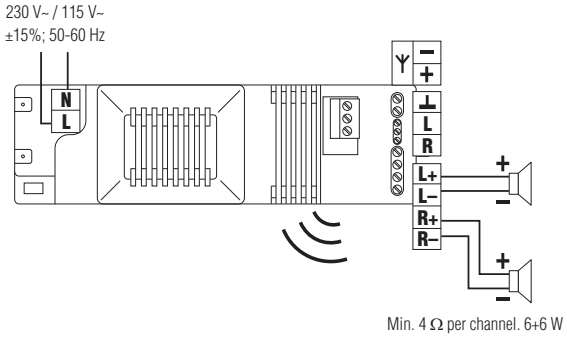
Technical specifications

Power supply	115/230 V~; 50/60 Hz	Bluetooth® profile	V. 2.0; Clase II; A2DP & AVRCP (1.3)	Mechanical format	Electrical ballast
Consumption max	200 mA (115 V~) / 100 mA (230 V~)	Max. power output	6+6 WRMS; (12+12 WPEAK) max; 4 Ω min.	Size cutting	ø65 mm.
Consumption stand-by	0.3 W	INPUT	3 V~ RMS +7 V⎓	Weight (Kg.)	0.162
FM band	87.5 - 108 MHz	Impedance INPUT	10 KΩ	Dimensions (mm)	170 x 48 x 50

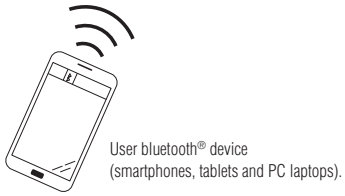
Wiring diagram

Basic example only with Bluetooth®

SINGLE HALL OR ROOM ONLY WITH BLUETOOTH® MODE, SOUND IN FALSE CEILING

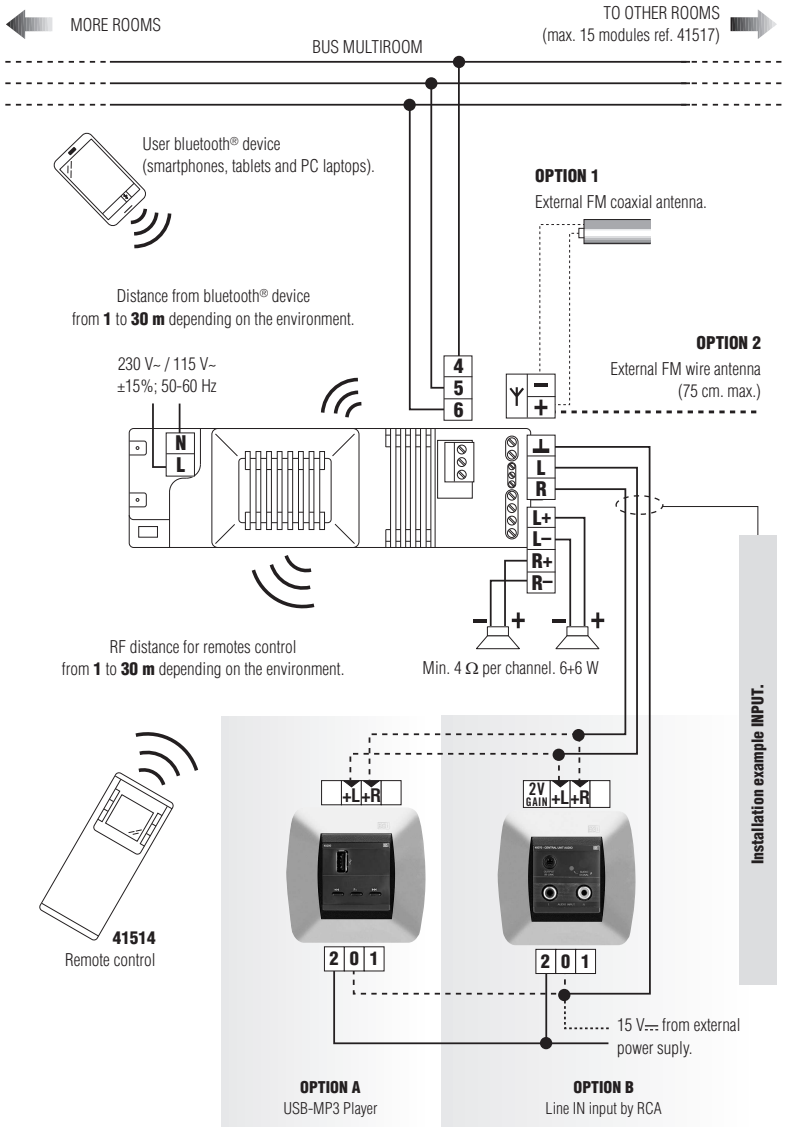


Distance from bluetooth® device
from **1** to **30 m** depending on the environment.



Multiroom example with remote control 41514 + auxiliary input

BLUETOOTH®, FM/RDS, MULTIROOM AND AUDIO INPUT MODE FUNCTION, IN FALSE CEILING FOR HALL OR ROOM



NOTE:
To prevent radiofrequency interference is strongly recommended keeping a distance of at least 1 m. between modules with the same reference number. Please avoid grouping modules.

PLAY & SOUND series products

References

41513 Wall radio 2+2 W stereo with FM RDS and mains voltage from 115 to 230 V~; 50/60 Hz.
41514 Remote control for the new PLAY & SOUND ref. 41517, 41018 and 41019 products.
41515 Bluetooth® sound unit with AUX/TV and PIN inputs. 2+2 W, 115-230 V~.
41517 Master sound amplifier 6+6 W with bluetooth®, FM/RDS, multiroom, and AUX IN signals on ballast format.
41518 Auxiliary module for 41513 Wall Radio with line-in Input, USB memory player, headphones output and bluetooth®.

Note

If it's necessary to amplify the output power of the 41517 sound unit, we recommend using the following power amplifiers:

E17G/D (20 W mono at 4 Ω or 10+10 W stereo at 2 Ω)
40425 (30 W mono at 8 Ω or 15+15 W stereo at 4 Ω)
40430 (100 W mono at 2 Ω or 50+50 W stereo at 4 Ω or 25+25 W stereo at 4 Ω at the same time that 50 W at 2 Ω for mono subwoofers).

Note

Remember that in addition to operating only in Bluetooth mode, to get maximum performance with FM, multiroom, clock, alarm and INPUT; we recommend to acquire the remote control 41514.

The sound unit must be connected to a mains voltage between 115 and 230 V~ 50/60Hz, prior to being used.

Because these devices communicate by radio frequency, depending on the environment interference and objects, communication can be altered.

There is not any LED indicator, so it is necessary to connect at least one speaker (better two) in order to check the unit is working properly.

External audio amplifiers (i.e. E17G/D, 40425 & 40430) can be attached to the audio output. To do so, connect 41517 terminals **L+**, **R+** & **4**(GND) to the audio amplifier input terminals **+L**, **+R** & **GND** respectively.

Operation in Bluetooth® mode only without remote control

First connection

41517 master module works in Bluetooth® mode only when powered for the first time or after a blackout. Initial state is stand-by: the module is visible to any Bluetooth® device and can be paired with it.

Module Friendly Name is "**EGi 41517 xxxx**". This name will appear on the Bluetooth® device screen when searching. **EGi** is the brand, **41517** is the product reference and "**xxxx**" stands for the last four digits of the serial number.

Every module has a unique Friendly Name, so the user can know which module is connecting to. Friendly Name is printed on two labels: one is attached to the enclosure, and the other one is left loose into the packaging.

Pin code linking

A 4-digit random **password / PIN** code is printed on the labels. It must be keyed in during linking process.

Once linked and connected, the module will start to sound.

WARNING: Please don't lose the labels so that the **Friendly Name** and the **PIN** code are always available.

Turning ON

The module remains in stand-by state until it is connected to a Bluetooth® device.

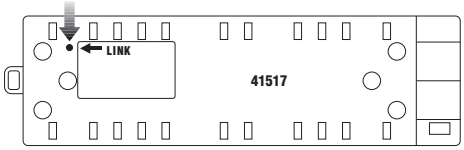
When connected, it goes to **ON** state: audio output is activated, volume is adjusted to its preset value and equalizer is set to achieve optimum performance.

Since then, volume control and music selection will be controlled from the linked Bluetooth® device.

NOTE: Disconnection causes are: manual command from the device or lost of coverage.

When disconnected, module goes to stand-by state: audio output is disabled and the module is visible/connectable again. In other words, it can be linked to a new Bluetooth® device or connected to a known device (one that has been linked previously).

Access to **LINK** internal key on the back side of 41517.



Preset volume adjustment

Preset volume is factory-set at maximum level. However, it can be changed and limited by means of **LINK** key, which is located on the back side of 41517 module. Every short press on **LINK** key reduces preset volume in -6 dB steps up to -68 dB, and then it goes to maximum level again.

Once adjusted, preset volume is stored and is value is kept even in case of power failure. It can be adjusted again or be reset to factory-set value (maximum) by pressing LINK key for 6 seconds or more.

WARNING: Keep in mind that a RESET can modify other parameters.

NOTE: In Bluetooth® mode, the user can control volume level from the device. We suggest leaving the volume of 41517 module at maximum level. This way maximum performance can be obtained and the control is more comfortable.

Volume / Link / Reset key

LINK key has three functions:

1. Every short press on LINK key reduces preset volume in -6 dB steps up to -68 dB, and then it goes to maximum level again.
2. Additionally, a short press on LINK key makes the module visible for Zigbee devices, so that it can be linked with a 41514 remote control.
3. A long press (more than 6s) produces a RESET of the module: preset volume is set to maximum, Friendly Name and PIN code return to the value printed on the labels.

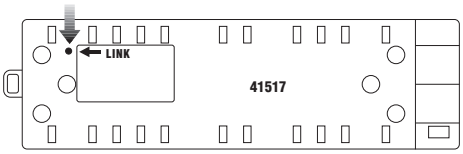
Operation in full-functionality mode: Bluetooth, FM/RDS, aux. input & multiroom using EGi remote control

First connection

41517 master module works in Bluetooth®-only mode when powered.

It is necessary to link it to one or more 41514 remote controls to get full functionality: FM/RDS, multiroom, aux. INPUT, clock, alarm, sleep and equalizer.

Access to **LINK** internal key on the back side of 41517.



Linking to a 41514 remote control

Master module can be controlled by one or more 41514 remote controls, so that several people can control it. A 41514 remote control can handle up to five 41517 modules. A 41517 module can be handled by up to fifteen 41514 remote controls.

Communication between 41517 modules and 41514 remote controls is performed by Zigbee. It is a radiofrequency communications protocol.

- To link the devices, please press **LINK** key on the back side of 41517 module (so it becomes visible for Zigbee devices). Next, press the two upper-right keys on the 41514 remote control at the same time (LINK TO A NEW RECEIVER). It will appear "LINKING" on the screen. When linking process ends, it will appear "LINKED TO A NEW RECEIVER".
- There is another way to link together 41514 and 41517; it uses the PIN code printed on the labels of 41517. Press **PIN** on 41514. Then key in PIN code and press **OK**. It will appear "LINKING" on the screen. When linking process ends, it will appear "LINKED TO A NEW RECEIVER".

Once linked to a remote control (or more), Bluetooth® can only be activated from a 41514 remote control.

In case of power failure, the module will go to Bluetooth®-only mode, but it will change automatically to a full-functionality mode when any command from a linked 41514 remote control is received.

For detailed information about full-functionality mode (FM, multiroom, input, clock, alarm, sleep and Bluetooth®), please read the 41514 remote control user manual.

Troubleshooting

Problem	Possible solution
Module doesn't work at all.	Check that the sound unit is powered. A voltage between 115 and 230 V~ 50/60Hz must be applied to **L** and **N** terminals
The module can be linked to a Bluetooth® device, but there is no sound.	Check that the speakers are properly connected to **L+** / **L–** y **R+** / **R–** outputs. Verify the absence of short-circuits and check that the speakers line impedance is above 4 ohms. Make sure that a Bluetooth® device is connected, and set volume level to maximum.
If the module is linked to a 41514 remote control, pressing the **LINK** key switches off the sound.	When **LINK** key is pressed in full-functionality mode, 41517 module goes to stand-by state to allow a new link to a different remote control. That is the reason for the music to switch off. After that, pressing any key on the 41514 regains control over the module.
Module is powered, but it is not visible for Bluetooth® devices and do not responds to a 41514 remote control.	It is probable that the module is being controlled by another 41514 remote control (previously linked). Check all remote controls in the installation.

AIR RADIO 41514

play&sound®

Bluetooth® RDS STEREO multiroom

en instruction manual

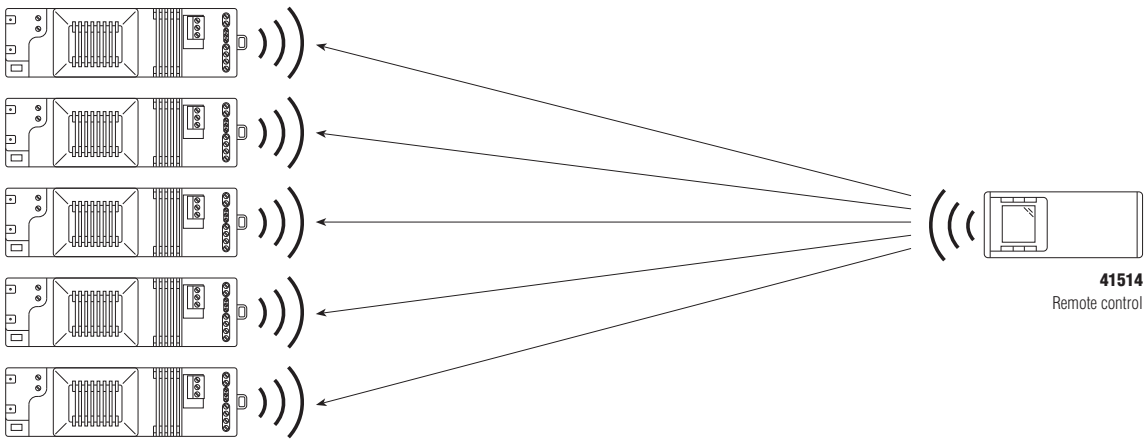
41514 Multiroom remote control

Technical specifications

Power supply	3 1.5 V AAA bateries	Weight (Kg.)	0.122
RF band	2.4 GHz; Zigbee RF	Dimensions (mm)	52 x 125 x 19
Display	LCD graphic		

Multiroom link-up limits

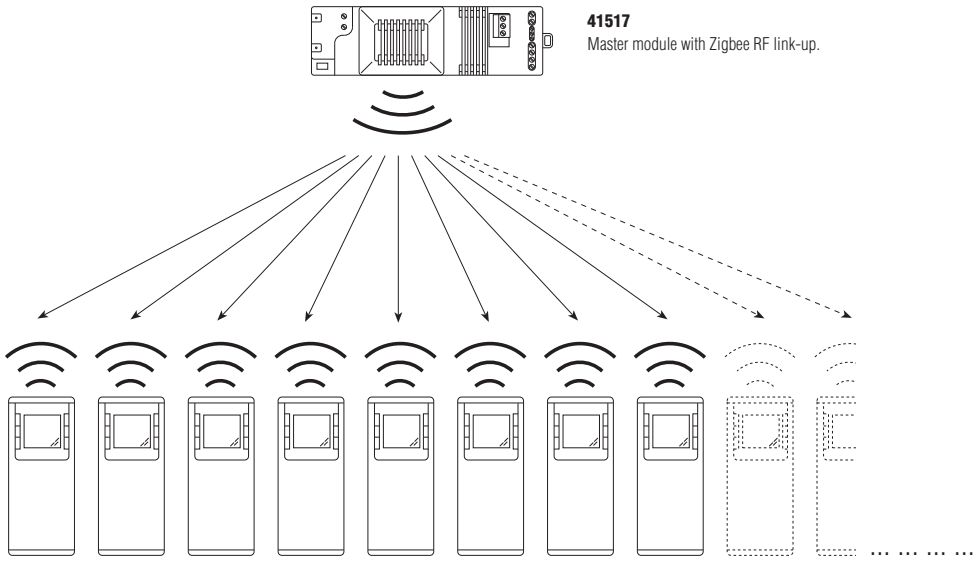
MAXIMUM MULTIROOM LINK-UP OF 41517 MASTER MODULES, THROUGH ONE 41514 REMOTE CONTROL



41514
Remote control

41517
Master module with Zigbee RF link-up.

MAXIMUM MULTIROOM LINK-UP OF 41514 REMOTE CONTROLS, THROUGH ONE 41517 MASTER MODULE



41517
Master module with Zigbee RF link-up.

41514
15 remote controls maximum.

PLAY & SOUND series products

References

41513 Wall radio 2+2 W stereo with FM RDS and mains voltage from 115 to 230 V~; 50/60 Hz.
41514 Remote control for the new PLAY & SOUND ref. 41517, 41018 and 41019 products.
41515 Bluetooth® sound unit with AUX/TV and PIN inputs. 2+2 W, 115-230 V~.
41517 Master sound amplifier 6+6 W with bluetooth®, FM/RDS, multiroom, and AUX IN signals on ballast format.
41518 Auxiliary module for 41513 Wall Radio with line-in Input, USB memory player, headphones output and bluetooth®.

Note

If it's necessary to amplify the output power of the 41517 sound unit, we recommend using the following power amplifiers:

03001 (3+3 W at 4 Ω)
E17G/D (20 W mono at 4 Ω or 10+10 W stereo at 2 Ω)
40425 (30 W mono at 8 Ω or 15+15 W stereo at 4 Ω)
40430 (100 W mono at 2 Ω or 50+50 W stereo at 4 Ω or 25+25 W stereo at 4 Ω at the same time that 50 W at 2 Ω for mono subwoofers).

AIR RADIO 41018

play&sound®

Bluetooth® RDS STEREO multiroom

en instruction manual

41018 XS Kit audio bluetooth® for rooms of 30 sq m

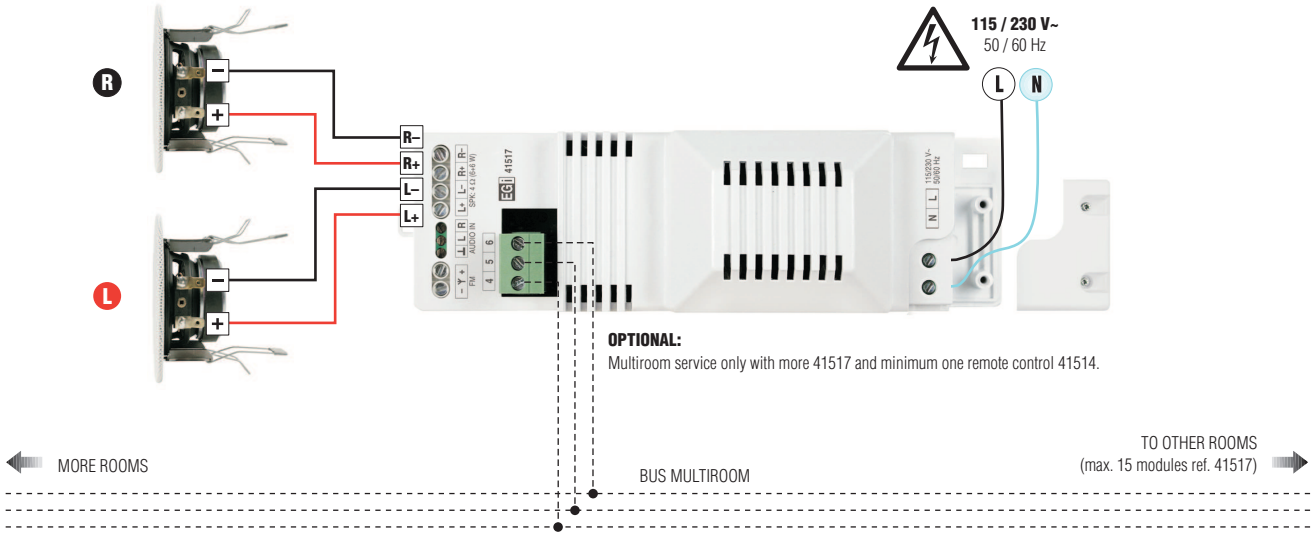
41517 - Technical specifications

Power supply	115/230 V~; 50/60 Hz	INPUT	3 V~ RMS + 7 V⎓
Consumption max	200 mA (115 V~) / 100 mA (230 V~)	Impedance INPUT	10 KΩ
Consumption stand-by	0.3 W	Mechanical format	Electrical ballast
FM Band	87.5 - 108 MHz	Size cutting (mm)	ø65
Bluetooth® profile	V. 2.0; Clase II; A2DP & AVRCP (1.3)	Weight (Kg.)	0.162
Max. power output	6+6 WRMS; (12+12 WPEAK max.); 4 Ω min.	Dimensions (mm)	170 x 48 x 50

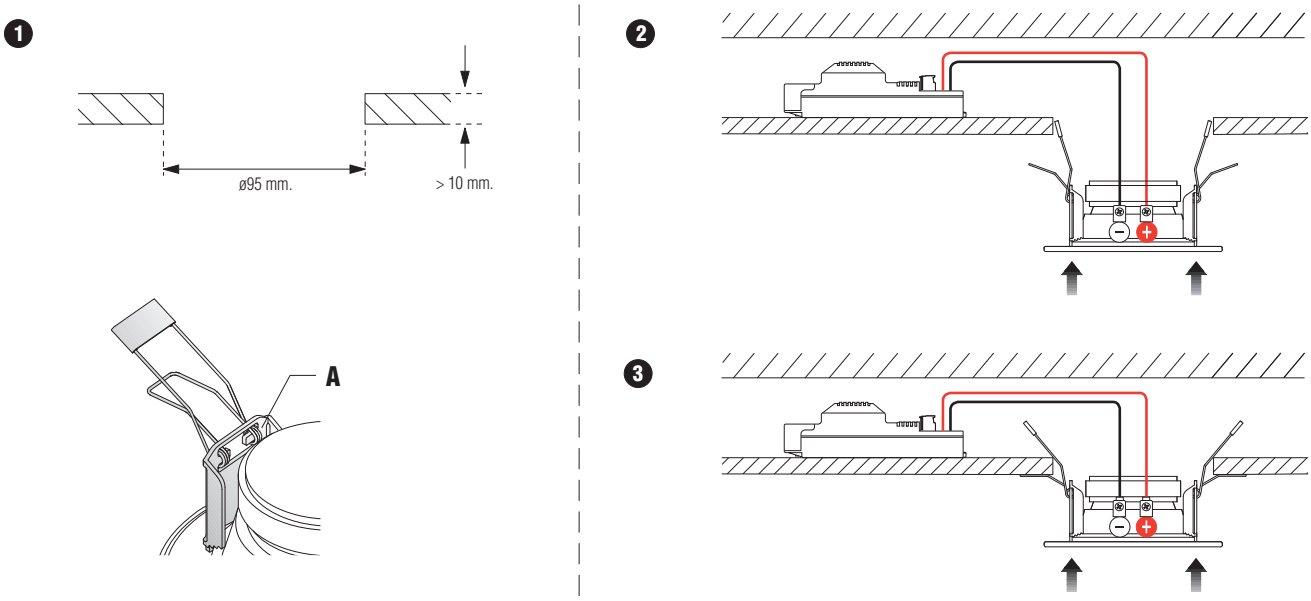
3" Loudspeaker - Technical specifications

Max. power (RMS)	7 W	Cover angle (@-4 KHz)	100° @ -6 dB
Impedance	4 Ω	Parallel speaker cable	1x3 m + 1x0.75 m
Quality	HQ	Size cutting (mm)	ø95
Sensitivity (@1W, 1m)	86 dBSPL	Dimensions (mm)	ø112 x 45
Frequency response (@-6 dB)	90 ÷ 15000 Hz		

Wiring diagram



Final assembly



PLAY & SOUND series products

References

41513 Wall radio 2+2 W stereo with FM RDS and mains voltage from 115 to 230 V~; 50/60 Hz.

41514 Remote control for the new PLAY & SOUND ref. 41517, 41018 and 41019 products.

41515 Bluetooth® sound unit with AUX/TV and PIN inputs. 2+2 W, 115-230 V~.

41517 Master sound amplifier 6+6 W with bluetooth®, FM/RDS, multiroom, and AUX IN signals on ballast format.

41518 Auxiliary module for 41513 Wall Radio with line-in Input, USB memory player, headphones output and bluetooth®.

Note

If it's necessary to amplify the output power of the 41517 sound unit, we recommend using the following power amplifiers:

03001 (3+3 W at 4 Ω)

E17G/D (20 W mono at 4 Ω or 10+10 W stereo at 2 Ω)

40425 (30 W mono at 8 Ω or 15+15 W stereo at 4 Ω)

40430 (100 W mono at 2 Ω or 50+50 W stereo at 4 Ω or 25+25 W stereo at 4 Ω at the same time that 50 W at 2 Ω for mono subwoofers).

AIR RADIO 41019

play&sound®

Bluetooth® R·D·S STEREO multiroom

en instruction manual

41019 XXS Kit audio bluetooth® for rooms of 20 sq m

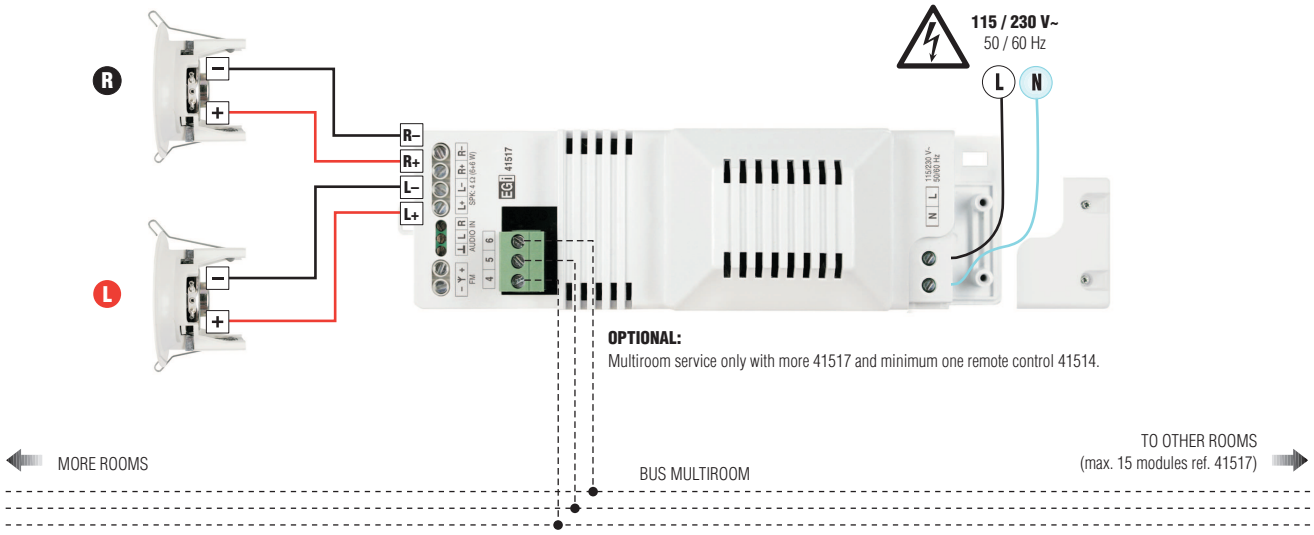
41517 - Technical specifications

Power supply	115/230 V~; 50/60 Hz	INPUT	3 V~ RMS + 7 V⎓
Consumption max	200 mA (115 V~) / 100 mA (230 V~)	Impedance INPUT	10 KΩ
Consumption stand-by	0.3 W	Mechanical format	Electrical ballast
FM Band	87.5 - 108 MHz	Size cutting (mm)	ø65
Bluetooth® profile	V. 2.0; Clase II; A2DP & AVRCP (1.3)	Weight (Kg.)	0.162
Max. power output	6+6 WRMS; (12+12 WPEAK max.); 4 Ω min.	Dimensions (mm)	170 x 48 x 50

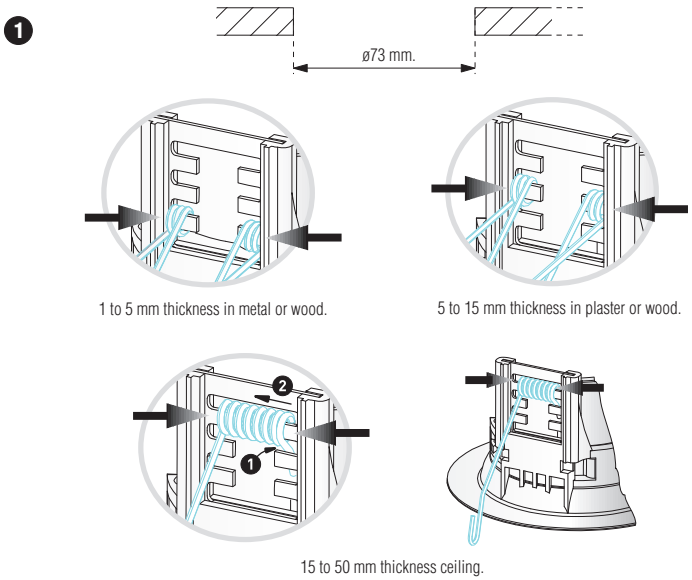
2" Loudspeaker - Technical specifications

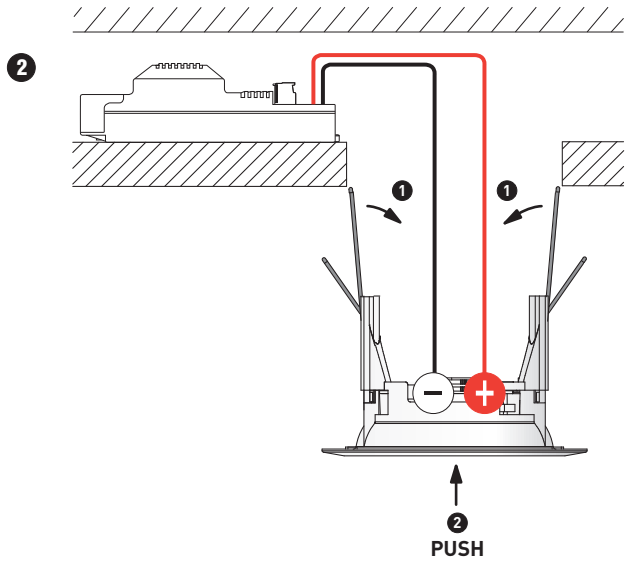
Max. power (RMS)	2 W	Cover angle (@-4 KHz)	150° @ -6 dB
Impedance	16 Ω	Parallel speaker cable	1x3 m + 1x0.75 m
Quality	HQ	Size cutting (mm)	ø73
Sensitivity (@1W, 1m)	83 dBSPL	Dimensions (mm)	ø90 x 55
Frequency response (@-6 dB)	150 ÷ 16000 Hz		

Wiring diagram



Final assembly





PLAY & SOUND series products

References

41513 Wall radio 2+2 W stereo with FM RDS and mains voltage from 115 to 230 V~; 50/60 Hz.

41514 Remote control for the new PLAY & SOUND ref. 41517, 41018 and 41019 products.

41515 Bluetooth® sound unit with AUX/TV and PIN inputs. 2+2 W, 115-230 V~.

41517 Master sound amplifier 6+6 W with bluetooth®, FM/RDS, multiroom, and AUX IN signals on ballast format.

41518 Auxiliary module for 41513 Wall Radio with line-in Input, USB memory player, headphones output and bluetooth®.

Note

If it's necessary to amplify the output power of the 41517 sound unit, we recommend using the following power amplifiers:

03001 (3+3 W at 4 Ω)

E17G/D (20 W mono at 4 Ω or 10+10 W stereo at 2 Ω)

40425 (30 W mono at 8 Ω or 15+15 W stereo at 4 Ω)

40430 (100 W mono at 2 Ω or 50+50 W stereo at 4 Ω or 25+25 W stereo at 4 Ω at the same time that 50 W at 2 Ω for mono subwoofers).

play & sound®

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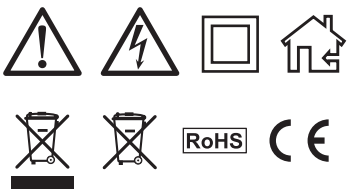

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